

Material Safety Data Sheet

Effective date: 10/22/99

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Spin-on coolant filters / conditioners

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product name NAPA 4071, 4072, 4073, 4074, 4428, 4429, 4008
 Wix 24071, 24072, 24073, 24074, 24428, 24429, 24008
 CARQUEST 89071, 89072, 89073, 89074, 89428, 89429, 89008

Trade name & synonyms NAPA Spin-on coolant filters / conditioners
 Wix Spin-on coolant filters / conditioners
 CARQUEST Spin-on coolant filters / conditioners

Chemical name & synonyms Nitrite-nitrate-borate corrosion inhibitor

Chemical family Industrial water treatment

Proper DOT shipping name Consumer commodity

DOT hazard classification ORM-D-Consumer commodity Class 5.1, UN 1479, P.G. III

Manufacturer Wix Filtration Products Division, Dana Corporation
 PO Box 1967, Gastonia, NC 28053

Mailing Address Wix Filtration Products Division, Dana Corporation
 Attention: Technical Services Department
 1525 South Marietta St., Gastonia, NC 28054

Emergency telephone number CHEMTREC: 800-424-9300

Manufacturer phone number 704-869-3700 x2769

Revision date 10/22/99

SECTION 2 - HAZARDOUS INGREDIENTS

CAS #	Ingredient	% by weight	TLV
1303-96-4	Sodium borate	<40%	Not established
7632-00-0	Sodium nitrate	<25%	Not established
7631-99-4	Sodium nitrite	<25%	Not established
149-30-4	2-mercaptobenzothiazole	<8%	Not established

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview Can cause skin irritation. Ingestion of the product can cause systemic effects and could be fatal.

Symptoms of Acute Exposure May cause flushed face, irregular heartbeat, tremors, or dizziness. Internal ingestion of a large amount may cause systemic effects and could be fatal.

Symptoms of Chronic Exposure May cause allergic skin reaction in some individuals and possible yellowing of the skin.

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SECTION 3 - HAZARDS IDENTIFICATION (CONTINUED)

Primary Routes of Entry..... Skin contact, eye contact, ingestion, or inhalation (dust or mist).
 Chronic cancer information..... No data available
 Teratology (birth defect) information.... No data available
 Reproductive information..... No data available

SECTION 4 - FIRST AID MEASURES

Eyes..... Flush with water for 15 minutes. Seek medical attention immediately.
 Skin contact..... Flush with water, then wash thoroughly with soap and water.
 Ingestion..... Do not induce vomiting. Drink plenty of water. Contact a physician immediately. Avoid alcoholic beverages.

SECTION 5 - FIREFIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash point..... N/A
 Flammable limits..... N/A
 Extinguishing media..... Water, CO₂, or dry chemical
 Autoignition temperature..... Not established
 LEL..... Not established
 UEL..... Not established

SPECIAL FIREFIGHTING PROCEDURES

Keep upwind of fire. Use water spray to cool barrels exposed to fire. Wear full protective clothing including self-contained breathing apparatus.

UNUSUAL FIRE & EXPLOSION HAZARDS

Material is an oxidizer. Do not store near fuels. Dust clouds may be explosive.
 Explosion is possible when heated above 1000 deg. Fahrenheit, or when mixed with cyanides. Will ignite on friction when contaminated with organic matter (soil, grass, sawdust, etc.).

SECTION 6 - ENVIRONMENTAL RELEASE MEASURES

Keep spilled material away from combustibles. Shovel into clean metal container and keep tightly closed.

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SECTION 7 - HANDLING AND STORAGE**HANDLING**

- Eye protection..... Wear chemical safety goggles.
Respiratory protection Where required, use NIOSH approved respirator for dusts or mists.
Skin protection..... Wear rubber gloves or impervious gloves.
Ventilation recommended..... N/A
Other protection..... Wear rubber apron, long-sleeved shirt, and trousers. For prolonged contact, wear impervious clothing.

STORAGE

Store in a cool, dry place away from combustible materials, fuels, and acids. Keep containers closed when not in use. Do not inhale dusts.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

- Eye protection..... Wear chemical safety goggles.
Respiratory protection Where required, use NIOSH approved respirator for dusts or mists.
Skin protection..... Wear rubber gloves or impervious gloves.
Other protection..... Wear rubber apron, long-sleeved shirt, and trousers. For prolonged contact, wear impervious clothing.

Wash after handling and before eating, drinking, or smoking. Remove contaminated clothes and footwear.
Wash clothes before re-use.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- Boiling point..... N/A
Vapor pressure..... N/A
Vapor density (air = 1) N/A
Solubility in water Complete
Appearance & odor..... Purple/white briquette, mild odor
Specific gravity (H₂O = 1)..... 1.0
Percent volatiles (by vol.)..... N/A
Evaporation rate..... N/A
pH..... N/A

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SECTION 10 - STABILITY AND REACTIVITY

Chemical stability..... Stable mixture.
Conditions to avoid..... Extreme heat, flame, incompatible materials, flammables.
Incompatibility Strong acids, decaying organic material, combustibles.
Hazardous decomposition..... At high temperatures, will yield oxides of nitrogen, sulfur, carbon, boron, and sodium.
Hazardous polymerization..... Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Threshold limit value..... Nuisance particulate: 10 mg / m³
OSHA TLV Not determined
ACGIH TLV..... Not determined
Carcinogen - NTP program Not known or suspected
Carcinogen - IARC program ... Not known or suspected

SECTION 12 - ECOLOGICAL INFORMATION

None

SECTION 13 - DISPOSAL CONSIDERATIONS

RCRA ignitable hazardous waste; dispose of waste material in accordance with Federal, State, and Local regulations.

SECTION 14 - TRANSPORT INFORMATION

ORM-D-Consumer commodity, Class 5.1, UN 1479, P.G. III, under current DOT standards for ground transport.

SECTION 15 - REGULATORY INFORMATION

None

SECTION 16 - OTHER INFORMATION

The above information is believed to be accurate and represents the best information currently available to us. WE MAKE NO WARRANTY OF MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO SUCH INFORMATION. We assume no liability resulting from its use. Users should conduct their own investigations to determine the suitability of the information for their own particular application and purpose.